



Liam Foster

ABOUT ME

Innovative software engineer with seven years of experience developing algorithms and software for autonomous robots. Passionate about integrating AI with robotic systems to improve automation.

PROFESSIONAL EXPERIENCE

ROBOTICS SOFTWARE ENGINEER | BOSTON DYNAMICS, WALTHAM, MA
JUNE 2020 - PRESENT

- Developed real-time path-planning algorithms, improving robot navigation accuracy by 35%
- Integrate deep learning models for object recognition, enhancing robot perception
- Optimized motor control algorithms, reducing power consumption by 25%

SOFTWARE ENGINEER – AUTONOMOUS SYSTEMS | NVIDIA, SANTA CLARA, CA

AUGUST 2017 - MAY 2020

- Designed SLAM algorithms for autonomous vehicles, improving mapping efficiency
- Developed AI-powered sensor fusion models, increasing detection accuracy by 40%
- Built embedded software for real-time robotic control, improving response time

CERTIFICATIONS

- **CERTIFIED ROBOTICS SOFTWARE ENGINEER | UDACITY | SEPTEMBER 2021**

CONTACT



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LinkedIn | Portfolio



San Francisco, CA

EDUCATION

- **Master of Science (M.S.) in Robotics**
Carnegie Mellon University,
Pittsburgh, PA | May 2017

KEY SKILLS

- Robot operating system (ROS)
- C++, Python, MATLAB
- ML and computer vision
- Embedded systems and real-time control
- Simultaneous Localization and Mapping (SLAM)